

**BEGINNING SPRING 2021**

**CERTIFICATE OF ACHIEVEMENT**

**2021**

**ADVANCED MANUFACTURING LEVEL I**

This Advanced Manufacturing Level 1 Certificate of Achievement provides the relevant knowledge and skills required for entry-level employment or internship for manufacturing technicians and assemblers. The subjects are taught with an emphasis on job related skills required by manufacturing industries, using a practical approach using procedures, and standards using in the manufacturing industry.

Program Learning Outcomes:

- Demonstrate competence in building, servicing, and testing circuits utilizing safe and industry standard practices and procedures.
- Demonstrate how to assemble circuit boards, mechanical systems and electrical systems.
- Perform a material application process that includes material selection, application fabrication techniques, relevant testing, and necessary characterization technique based on the application.
- Demonstrate how to collect, analyze, interpret, and present numerical data to make effective decisions.

Program Requirements:

BIS	109	Microsoft Office	3.0
BUS	060	Fundamentals of Business Statistics	3.0
MFGT	101	Introduction to Advanced Manufacturing	2.0
MFGT	102	Math for Manufacturing	2.0
MFGT	103	Introduction to Assembly	3.0
MFGT	201	Fundamental Electronics for Manufacturing	3.0
MFGT	202	Properties of Materials for Manufacturing	3.0
MFGT	203	Data Analytics for Manufacturing and Quality Control	3.0
ENGL	001A	English Composition	3.0
<b>Total Units</b>			<b>25.0</b>